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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/020,419

DATE: 05/09/2002

TIME: 14:27:34

Input Set : A:\P2637-1(US).txt

Output Set: N:\CRF3\05092002\J020419.raw

3 <110> APPLICANT: Goddard,Audrey  
4 Wood,William I.  
5 Ye,Weilan  
6 Zhang,Zemin  
8 <120> TITLE OF INVENTION: NOVEL SECRETED POLYPEPTIDE AND METHODS OF TREATMENT OF  
9 BONE DISORDERS  
11 <130> FILE REFERENCE: P2637-1(US)  
13 <140> CURRENT APPLICATION NUMBER: US 10/020,419  
14 <141> CURRENT FILING DATE: 2001-12-13  
16 <150> PRIOR APPLICATION NUMBER: US 60/132,379  
17 <151> PRIOR FILING DATE: 1999-05-04  
19 <150> PRIOR APPLICATION NUMBER: PCT/US00/05601  
20 <151> PRIOR FILING DATE: 2000-03-01  
22 <150> PRIOR APPLICATION NUMBER: PCT/US01/19692  
23 <151> PRIOR FILING DATE: 2001-06-20  
25 <150> PRIOR APPLICATION NUMBER: PCT/US01/21735  
26 <151> PRIOR FILING DATE: 2001-07-09  
28 <160> NUMBER OF SEQ ID NOS: 4  
30 <210> SEQ ID NO: 1  
31 <211> LENGTH: 999  
32 <212> TYPE: DNA  
33 <213> ORGANISM: Homo Sapien  
35 <400> SEQUENCE: 1  
36 gcgaggctgc accagcgctt ggcaccatga ggacgcctgg gcctctgccc 50  
38 gtgctgctgc tgctctctggc gggagccccc gccgcgcggc ccactcctccc 100  
40 gacctgctac tcccgcctgc gggccctgag ccaggagatc acccgcgact 150  
42 tcaacctcct gcagggtctcg gagccctcgg agccatgtgt gagatacctg 200  
44 cccaggctgt acctggacat acacaattac tgttgtctgg acaagctgcg 250  
46 ggactttgtg gcctcgcccc cgtgttgga agtgggccag gtagattcct 300  
48 tgaaggacaa agcacggaag ctgtacacca tcatgaactc gttctgcagg 350  
50 agagatttgg tattcctgtt ggatgactgc aatgccttgg aatacccaat 400  
52 cccagtgcact acggctcctgc cagatcgtca gcgctaaggg aactgagacc 450  
54 agagaaagaa cccaagagaa cttaaagttat gtcagctacc cagacttaat 500  
56 gggccagagc catgaccctc acaggctctt tggttagttgt atctgaaact 550  
58 gttatgtatc tctctacctt ctggaaaaca gggctggtat tcctaccag 600  
60 gaacctcctt tgagcataga gtttagcaacc atgcttctca ttccttgac 650  
62 tcatgtcttg ccaggatggt tagatacaca gcatgttgat ttggtcacta 700  
64 aaaagaagaa aaggactaac aagcttcact tttatgaaca actattttga 750  
66 gaacatgcac aatagtatgt ttttattact ggtttaatgg agtaatggtg 800  
68 cttttattct ttcttgatag aaacctgctt acatttaacc aagcttctat 850  
70 tatgcctttt tctaacacag actttttcca ctgtctttca tttaaaaaga 900  
72 aattaatgct cttaaagatat attttttacg tagtgctgac aggaccact 950  
74 ctttcatgga aagggtgatga aaatcaaata aagaatctct tcacatgga 999

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76 <210> SEQ ID NO: 2
77 <211> LENGTH: 136
78 <212> TYPE: PRT
79 <213> ORGANISM: Homo Sapien
81 <400> SEQUENCE: 2
82 Met Arg Thr Pro Gly Pro Leu Pro Val Leu Leu Leu Leu Leu Ala
83   1           5           10           15
85 Gly Ala Pro Ala Ala Arg Pro Thr Pro Pro Thr Cys Tyr Ser Arg
86           20           25           30
88 Met Arg Ala Leu Ser Gln Glu Ile Thr Arg Asp Phe Asn Leu Leu
89           35           40           45
91 Gln Val Ser Glu Pro Ser Glu Pro Cys Val Arg Tyr Leu Pro Arg
92           50           55           60
94 Leu Tyr Leu Asp Ile His Asn Tyr Cys Val Leu Asp Lys Leu Arg
95           65           70           75
97 Asp Phe Val Ala Ser Pro Pro Cys Trp Lys Val Ala Gln Val Asp
98           80           85           90
100 Ser Leu Lys Asp Lys Ala Arg Lys Leu Tyr Thr Ile Met Asn Ser
101           95          100          105
103 Phe Cys Arg Arg Asp Leu Val Phe Leu Leu Asp Asp Cys Asn Ala
104          110          115          120
106 Leu Glu Tyr Pro Ile Pro Val Thr Thr Val Leu Pro Asp Arg Gln
107          125          130          135
109 Arg
112 <210> SEQ ID NO: 3
113 <211> LENGTH: 579
114 <212> TYPE: DNA
115 <213> ORGANISM: Homo Sapien
117 <400> SEQUENCE: 3
118 caccaaagac actacctctg ttgctgctgc tgggtggtggt ggtgatagcc 50
120 tggcctctgg cagtacagtc cgcgcccccc acctgctact ctcggatgct 100
122 gaccctgagc cgtgagatca tggcagactt ccagagcctg caggcttcag 150
124 agcctgagga ttctgtgtg aggtacttgc cccggcttta cctggacatc 200
126 cataactact gtgtgctggc caagctgaga gacttcgtgg cttctcctca 250
128 gtgctggaag atggccgaag tggacactct gaaggacaga gtgcggaagc 300
130 tgtataccat catgaactcc ttctgcaggc gggacttggg attcctctca 350
132 gatgactgca gtgccttaga agaccaatt cccgaggcca cgggtcctcc 400
134 agactggcag agctaagcag gtggaccaga agaacaaccc agaggtctga 450
136 agctgggcca gttgtccaga gttacacccc ccacacacac acccaggtct 500
138 acttttagtg ccactgttag acctgccaca tgtctctagc ttctgaaaca 550
140 ccagtgaggg tcctacctct gagcatgct 579
142 <210> SEQ ID NO: 4
143 <211> LENGTH: 136
144 <212> TYPE: PRT
145 <213> ORGANISM: Homo Sapien
147 <400> SEQUENCE: 4
148 Lys Thr Leu Pro Leu Leu Leu Leu Val Val Val Ile Ala
149   1           5           10           15
151 Trp Pro Leu Ala Val Gln Ser Ala Pro Pro Thr Cys Tyr Ser Arg

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152		20		25		30
154	Met Leu Thr Leu Ser Arg Glu Ile Met Ala Asp Phe Gln Ser Leu					
155		35		40		45
157	Gln Ala Ser Glu Pro Glu Asp Ser Cys Val Arg Tyr Leu Pro Arg					
158		50		55		60
160	Leu Tyr Leu Asp Ile His Asn Tyr Cys Val Leu Ala Lys Leu Arg					
161		65		70		75
163	Asp Phe Val Ala Ser Pro Gln Cys Trp Lys Met Ala Glu Val Asp					
164		80		85		90
166	Thr Leu Lys Asp Arg Val Arg Lys Leu Tyr Thr Ile Met Asn Ser					
167		95		100		105
169	Phe Cys Arg Arg Asp Leu Val Phe Leu Ser Asp Asp Cys Ser Ala					
170		110		115		120
172	Leu Glu Asp Pro Ile Pro Glu Ala Thr Gly Pro Pro Asp Trp Gln					
173		125		130		135
175	Ser					

VERIFICATION SUMMARY

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